

#### **4.15 Exponential & Logarithmic Models odd**

##### **answers**

1. \$15
3. principal
5. \$108.29
7. \$88.72
9. 5.127%
11. 11.61%
13. \$215.48
15. The bank that offers 5.9% interest is the better deal.
- 17a. 2.44%
- 17b. 391.74 grams
- 17c. 9.15 years
- 17d. 28.4 years
- 19a.  $N(t) = N_0 e^{kt}$
- 19b. 25,198 people
21.  $N(100) = 9.999$  grams,  $N(1000) = 9.999$  grams